

Serial number: 09/966,453

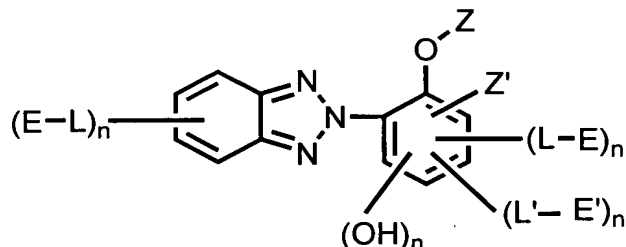
LISTING OF CLAIMS

Claim 1	currently amended
Claim 2	currently amended
Claim 3	currently amended
Claim 4	original
Claim 5	original
Claim 6	original
Claim 7	currently amended
Claim 8	currently amended
Claim 9	currently amended

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TEXT OF CLAIMS CURRENTLY UNDER EXAMINATION

1. (currently amended) A benzotriazole adduct having the structure:



in which

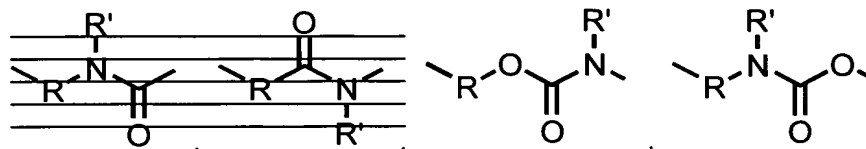
n is 0, 1, 2, or 3;

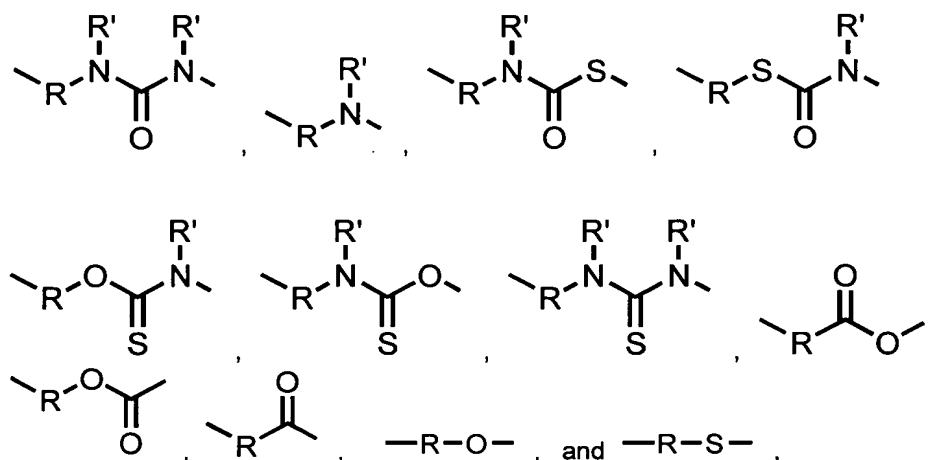
E and E' independently are an organic moiety containing ~~electron donor~~, vinyl ether, vinyl silane, carbon to carbon double bond attached to an aromatic ring and conjugated with the unsaturation in the aromatic ring, epoxy, acetyl acetate, fumarate, maleate, or maleimide ~~electron acceptor~~ ~~excluding acrylate~~, functionality;

Z is hydrogen, hydrocarbyl, or an organic moiety containing electron donor, epoxy, acetyl acetate, or electron acceptor excluding acrylate, functionality;

Z' is hydrogen, hydrocarbyl, an electron donating group, or an electron withdrawing group,

L and L' independently are ~~a direct bond~~, a hydrocarbyl group, or a functionality selected from the group consisting of .





in which R is ~~a direct bond or~~ a hydrocarbyl group attached to the benzotriazole segment; and R' is hydrogen, an aromatic, or an alkyl group of 1 to 6 carbon atoms, and

provided that if n is 0 for each of (E – L), (L – E), or (L' – E'), then Z is not hydrogen or alkyl; and

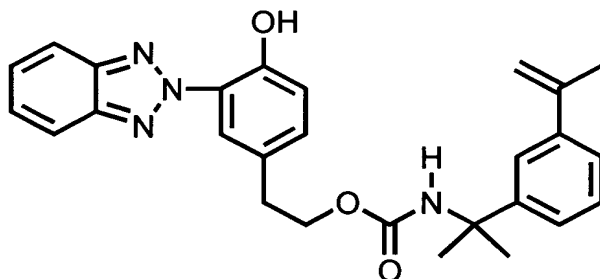
provided that if L or L' is ~~a direct bond, or L or L' is~~ alkyl and E is a maleimide or a styrene group, then for (L-E) or (L' – E'), n must be more than 1, or for (E-L), n must be at least one.

2. (currently amended) The benzotriazole adduct according to claim 1 in which n is 0 for (E – L), (L' – E') and for (OH), Z is hydrogen, Z' is hydrogen; n is 1 for (L – E), and L is not ~~a direct bond or~~ alkyl.

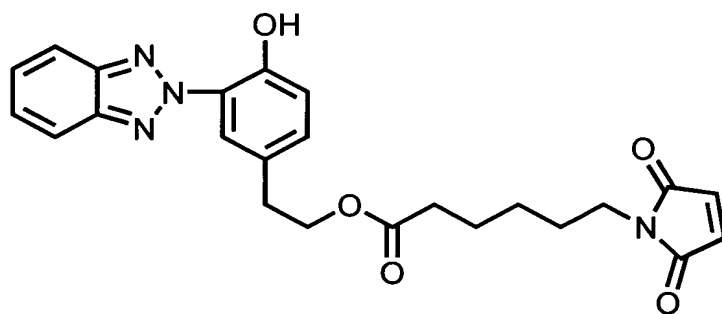
3. (currently amended) The benzotriazole adduct according to claim 1 in which n is 0 for (E – L), (L' – E'), and for (OH), n is 1 for (L – E), L is not ~~a direct bond or~~ alkyl, Z is an organic moiety containing electron donor, epoxy, vinyl, acetyl acetate, or electron acceptor excluding acrylate, functionality; and Z' is hydrogen.

4. (original) The benzotriazole adduct according to claim 1 in which n is 0 for (E – L) and (L' – E'), n is 2 for (L – E), Z is hydrogen; and Z' is hydrogen.

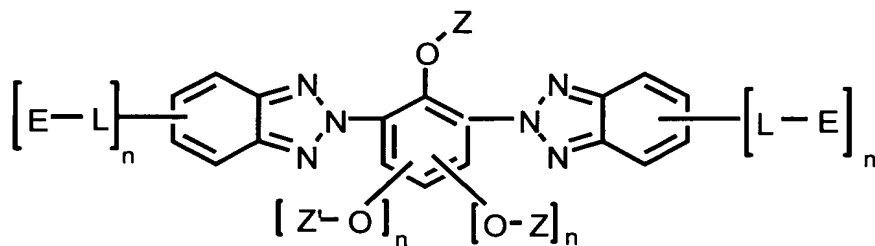
5. (original) The benzotriazole adduct according to claim 1 having the structure:



6. (original) The benzotriazole adduct according to claim 1 having the structure:



7. (currently amended) A benzotriazole adduct having the structure:



in which

n is 0, 1, 2, or 3;

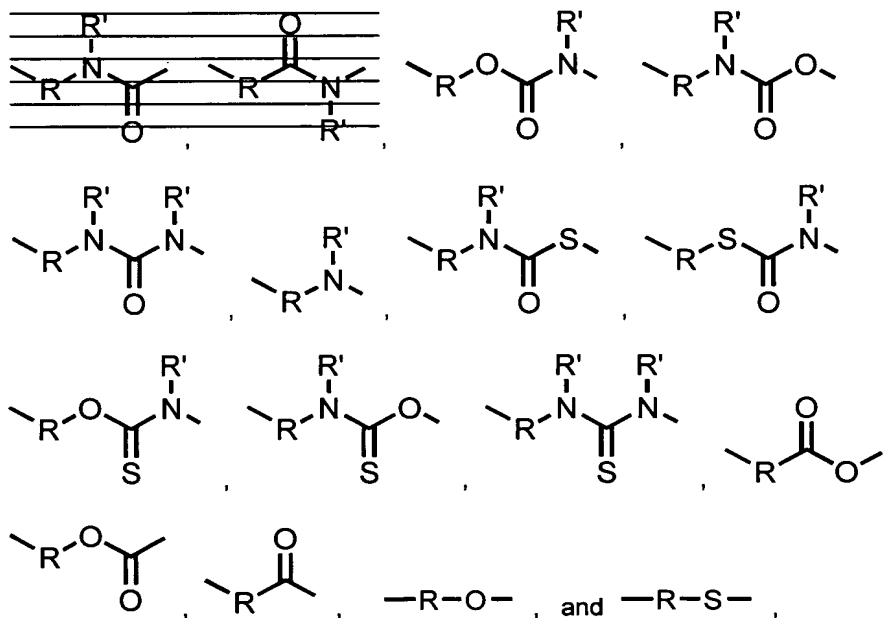
E and E' independently are an organic moiety containing ~~electron donor~~, vinyl ether, vinyl silane, carbon to carbon double bond attached to an aromatic ring and conjugated with the unsaturation in the aromatic ring, epoxy, acetyl acetate, fumarate, maleate, or maleimide ~~electron-acceptor~~ excluding acrylate, functionality;

Z is hydrogen, hydrocarbyl, or an organic moiety containing electron donor, epoxy, acetyl acetate, or electron acceptor excluding acrylate, functionality;

Z' is hydrogen, hydrocarbyl, an electron donating group, or an electron withdrawing group,

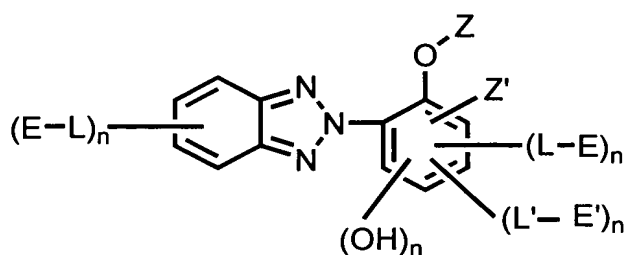
at least one of Z and Z' cannot be hydrogen or alkyl;

L and L' independently are ~~a direct bond,~~ a hydrocarbyl group, or a functionality selected from the group consisting of .



in which in which R is ~~a direct bond or~~ a hydrocarbyl group attached to the benzotriazole segment; and R' is hydrogen, an aromatic, or an alkyl group of 1 to 6 carbon atoms.

8. (currently amended) A curable composition comprising a benzotriazole adduct, optionally a curing agent, and optionally a filler, the benzotriazole adduct having the structure



in which

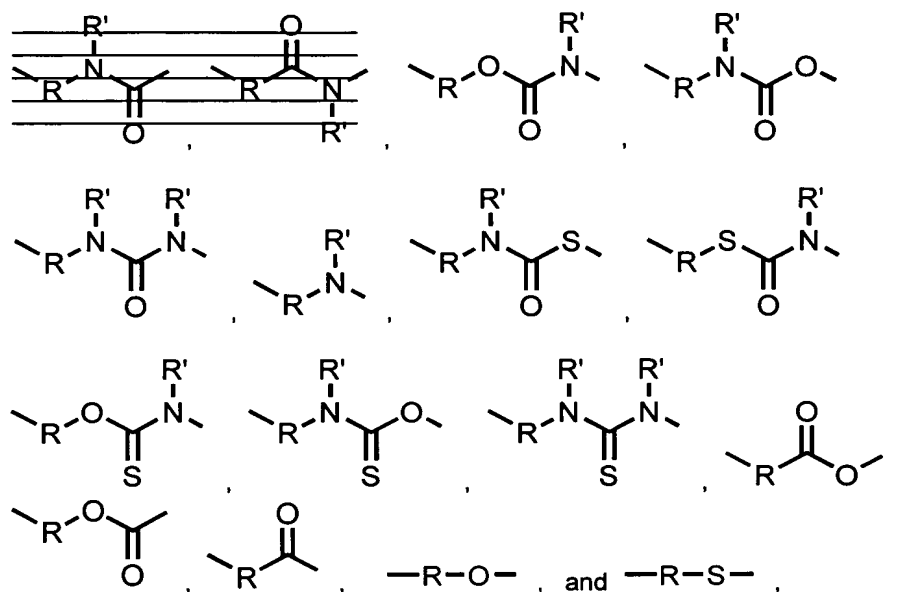
n is 0, 1, 2, or 3;

E and E' independently are an organic moiety containing ~~containing~~ electron donor, electron acceptor, vinyl ether, vinyl silane, carbon to carbon double bond attached to an aromatic ring and conjugated with the unsaturation in the aromatic ring, fumarate, maleate, maleimide, epoxy, vinyl, acetyl acetate, (meth)acrylate, (meth)acryl amino, glycidyl, or siloxane functionality;

Z is hydrogen, hydrocarbyl, or an organic moiety containing electron donor, epoxy, vinyl, acetyl acetate, (meth)acrylate, (meth)acryl amino, glycidyl, or siloxane functionality;

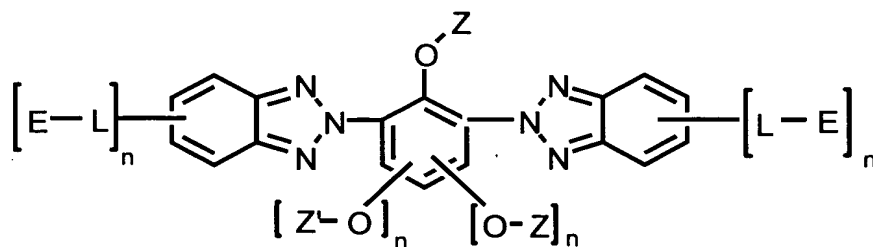
Z' is hydrogen, hydrocarbyl, an electron donating group, or an electron withdrawing group,

L and L' independently are ~~a direct bond,~~ a hydrocarbyl group, or a functionality selected from the group consisting of .



in which R is ~~a direct bond or~~ a hydrocarbyl group attached to the benzotriazole segment; and R' is hydrogen, an aromatic, or an alkyl group of 1 to 6 carbon atoms.

9. (currently amended) A curable composition comprising a benzotriazole adduct, optionally a curing agent, and optionally a filler, the benzotriazole adduct having the structure



in which

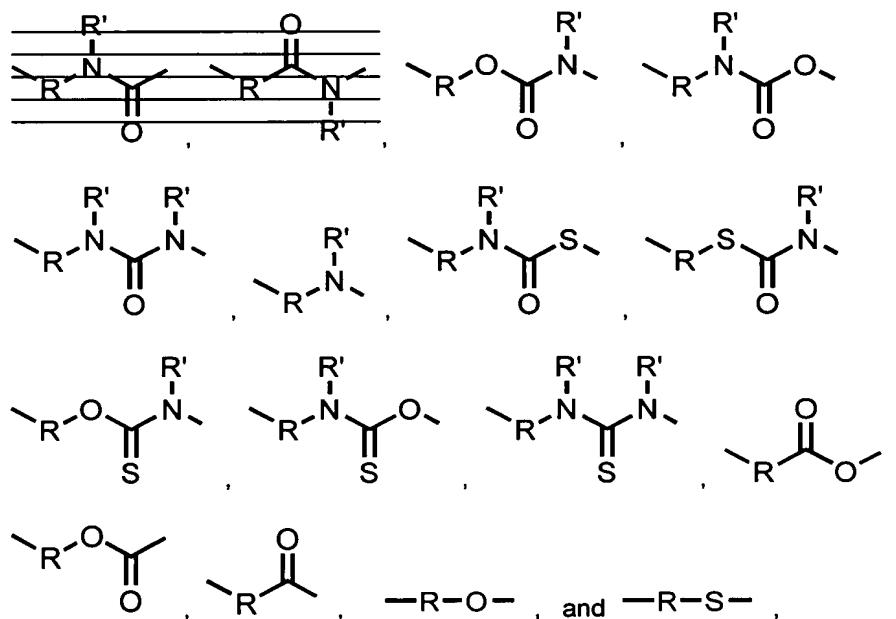
E and E' independently are an organic moiety containing ~~containing~~ electron donor, electron acceptor, vinyl ether, vinyl silane, carbon to carbon double bond attached to an aromatic ring and conjugated with the unsaturation in the aromatic ring, fumarate, maleate, maleimide, epoxy, vinyl,

acetyl acetate, (meth)acrylate, (meth)acryl amino, glycidyl, or siloxane functionality;

Z is hydrogen, hydrocarbyl, or an organic moiety containing electron donor, electron acceptor, epoxy, vinyl, acetyl acetate, (meth)acrylate, (meth)acryl amino, glycidyl, or siloxane functionality;

Z' is hydrogen, hydrocarbyl, an electron donating group, or an electron withdrawing group,

L and L' independently are ~~a direct bond~~, a hydrocarbyl group, or a functionality selected from the group consisting of .



in which R is ~~a direct bond or~~ a hydrocarbyl group attached to the benzotriazole segment; and R' is hydrogen, an aromatic, or an alkyl group of 1 to 6 carbon atoms.